## I claim:

1. A stucco wall structure for a building, comprising:

a wall substrate arranged for receipt of subsequent layers of surface material;

a peripheral screed arrangement disposed on said wall substrate to provide dimensional and finish guidance to subsequent layers of material of said wall structure;

a sprayed-on coating of urethane onto said wall substrate to insure continuous bonding and adherency to between said substrate and said urethane;

a first layer of polymer-based base coat and mesh covering said sprayed-on coating of urethane to provide anchoring and adhesion of a subsequent layer of material; and

an outer layer of stucco applied over said first layer of polymerbased base coat as a final coat thereon.

2. The stucco wall structure as recited in claim 1, including a vacuum planer for smoothing said foam layer of urethane.

- 3. The stucco wall structure as recited in claim 1, wherein said sprayed-on coating of foam is thicker than said screed.
- 4. The stucco wall structure as recited in claim 1, wherein said first layer of polymer-based base coat and mesh is about 1/8 inch thick.
- 5. The stucco wall structure as recited in claim 1, wherein said final layer of stucco is about ¼ inch thick.
- 6. The wall structure as recited in claim 1, wherein said wall structure has a peripheral margin and an opening margin, wherein a screed is placed around said margin to facilitate interlocking said sprayed-on foam thereto.
- 7. The wall structure as recited in claim 1, wherein said screed is of "L" shape in cross-section.
- 8. The wall structure as recited in claim 1, wherein said screed is of "J" shape in cross-section.

- 9. The wall structure as recited in claim 1, wherein said outer layer of stucco is comprised of a thin sheet of brick face.
- 10. A method of insulating and finishing a vertical wall structure which is impervious to water, comprising the steps of:

cleaning a surface of said wall structure to be treated;

applying a screed to the peripheral margins of said surface of said wall to be treated;

spraying a urethane foam directly onto said surface of said wall structure defined between said screeds;

applying a first coat of polymer enhanced base coat and mesh onto said sprayed-on coat of urethane foam; and

applying a stucco finish material onto said sprayed layer of urethane foam and said first coat of polymer-based base coat and mesh.

11. The method as recited in claim 10, including the step of:

vacuum planing said sprayed-on coat of urethane foam with an elongated vacuum planer prior to application of said first coat of polymer-based base coat and mesh.

12. The method as recited in claim 11, including the step of:

guiding said vacuum planer at one end thereof, by riding said planer on said screed, to facilitate the proper thickness planing of said urethane foam.

- 13. The method as recited in claim 12, including the step of:

  planing said sprayed-on foam to a level even with said screed.
- 14. The method as recited in claim 11, including the step of:

vacuuming said foam spray being planed from said wall structure by a vacuum source connected to said vacuum planer.